A highly polymorphic minisatellite (pMS626) on chromosome 13 (D13S103)

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Source/Description of Clone: cMS626 was isolated from the ordered array Charomid library described (1); pMS626 is a subclone into pBluescriptII KS+ of the *Sau*3AI insert from cMS626. The locus detected has the symbol D13S103.

Polymorphism: The probe detects a minisatellite (VNTR) locus, at which at least 7 alleles were detected in a survey of *Mbo*I-digested DNA from 47 unrelated Caucasians; hybridizing fragments range from 2.6 to 6.5 kb.

Chromosomal Localisation: The locus detected was localised to chromosome 13 using somatic cell hybrid and linkage analysis as described (1).

Mendelian Inheritance: Mendelian inheritance was observed in 6 pedigrees from the CEPH panel.

Heterozygosity: The heterozygosity was estimated at 77% among 47 unrelated individuals of Caucasian origin.

Hybridization Conditions: The *Sau*3AI insert was oligo-labelled and used to probe human genomic DNA in phosphate/SDS buffer as described (2), but with only 10 µg/ml sheared human DNA as competitor. Filters were washed to 0.1×SSC at 65°C.

Probe Availability: This probe has been deposited with the UK DNA Probe Bank, and may be obtained by writing to Dr Gabrielle Fisher, HGMP Resource Centre, CRC, Watford Road, Harrow, Middlesex, HA1 3UJ, UK.

Acknowledgements: J.A.L.A. is a Wellcome Trust Postdoctoral Fellow. This work was supported by grants to A.J.J. from the MRC and the Wolfson Foundation.

References: 1) Armour, J.A.L., Povey, S., Jeremiah, S. and Jeffreys, A.J. (1990) *Genomics* **8**, 501–512. 2) Wong, Z., Wilson, V., Patel, I., Povey, S. and Jeffreys, A.J. (1987) *Ann. Hum. Genet.* **51**, 269–288.

A polymorphic minisatellite (pMS628) on chromosome 3 (D3S1084)

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Source/Description of Clone: cMS628 was isolated from the ordered array Charomid library described (1); pMS628 is a subclone into pBluescriptII KS+ of the *Sau*3AI insert from cMS628. The locus detected has the symbol D3S1084.

Polymorphism: The probe detects a minisatellite (VNTR) locus, at which at least 4 alleles were detected in a survey of *Mbo*I-digested DNA from 47 unrelated Caucasians; allele sizes range from 4.3 to 5.1 kb.

Chromosomal Localisation: The locus detected was localised to chromosome 3 using somatic cell hybrid and linkage analysis as described (1).

Mendelian Inheritance: Mendelian inheritance was observed in 6 pedigrees from the CEPH panel.

Heterozygosity: The heterozygosity was estimated at 49% among 47 unrelated individuals of Caucasian origin.

Hybridization Conditions: The *Sau*3AI insert was oligo-labelled and used to probe human genomic DNA in phosphate/SDS buffer as described (2), but with only 10 µg/ml sheared human DNA as competitor. Filters were washed to 0.1×SSC at 65°C.

Probe Availability: This probe has been deposited with the UK DNA Probe Bank, and may be obtained by writing to Dr Gabrielle Fisher, HGMP Resource Centre, CRC, Watford Road, Harrow, Middlesex, HA1 3UJ, UK.

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